

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (Previously Presented): A method of treating a disorder comprising administering to a subject a therapeutically effective amount of enoxaparin, wherein the disorder is one or more of a wound healing disturbance, a disorder of the locomotor system, and a disturbance of bone metabolism.

Claim 2 (Cancelled).

Claim 3 (Previously Presented): A method of treating a disorder comprising administering to a subject a therapeutically effective amount of enoxaparin, wherein the disorder is one or more of osteoarthroses, spondyloses, chondrolysis, collagenoses, arthropathies, and myalgias.

Claim 4 (Previously Presented): The method of claim 1, wherein the enoxaparin is administered by subcutaneous, intraarticular, intraperitoneal or intravenous injection.

Claim 5 (Previously Presented): The method of claim 4, wherein the enoxaparin is administered by intraarticular injection.

Claim 6 (Previously Presented): The method of claim 1, wherein the enoxaparin is administered at a dose of from about 5 µg to about 200 mg.

Claim 7 (Previously Presented): The method of claim 6, wherein the dose of enoxaparin is from about 10 µg to about 40 mg.

Claim 8 (Previously Presented): The method of claim 1, wherein the enoxaparin is administered rectally, orally, inhalationally, or transdermally.

Claims 9-25 (Cancelled).

Claim 26 (Previously Presented): The method of claim 3, wherein the enoxaparin is administered by subcutaneous, intraarticular, intraperitoneal or intravenous injection.

Claim 27 (Previously Presented): The method of claim 26, wherein the enoxaparin is administered by intraarticular injection.

Claim 28 (Previously Presented): The method of claim 3, wherein the enoxaparin is administered at a dose of from about 5 µg to about 200 mg.

Claim 29 (Previously Presented): The method of claim 28, wherein the dose of enoxaparin is from about 10 µg to about 40 mg.

Claim 30 (Previously Presented): The method of claim 3, wherein the enoxaparin is administered rectally, orally, inhalationally, or transdermally.

Claim 31 (New): The method of claim 1, wherein a would healing disturbance is treated.

Claim 32 (New): The method of claim 1, wherein a disorder of the locomoter system is treated.

Claim 33 (New): The method of claim 3, wherein osteoarthroses is treated.

Claim 34 (New): The method of claim 3, wherein spondyloses is treated.

Claim 35 (New): The method of claim 3, wherein chondrolysis is treated.

Claim 36 (New): The method of claim 3, wherein collagenoses is treated.

Claim 37 (New): The method of claim 3, wherein arthropathies are treated.